INTERNATIONAL SEARCH REPORT

Intel al Application No PCT/US2004/035894

A. CLASSIF	FICATION OF SUBJECT MATTER C01B31/02							
According to	International Patent Classification (IPC) or to both national classification	cation and IPC						
B. FIELDS								
	cumentation searched (classification system followed by classification sys	ation symbols)						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
1	ata base consulted during the international search (name of data t ternal, WPI Data, PAJ, INSPEC, COMI)					
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.					
Х,Р	DYKE, CHRISTOFER ET AL: "Diazon functionalization of carbon name and GC-MS analysis and mechanis implications" SYNLETT, no. 1, 8 December 2003 (2003-12-08), p 155-160, XP002327962 the whole document	otubes: XPS tic	1–12					
X	WO 02/060812 A (WILLIAM MARSH R UNIVERSITY; TOUR, JAMES, M; BAH L; YANG,) 8 August 2002 (2002-0 page 20, line 34 - page 21, lin 97-103	R, JEFFR E Y, 8-08)	12-14					
X Furt	ther documents are listed in the continuation of box C.	X Patent family members are listed	in annex.					
A docum	ategories of cited documents: ent defining the general state of the an which is not	"T" later document published after the Int or priority date and not in conflict with cited to understand the principle or the	the application but					
filling date		invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone						
which ctation "O" docum	ent which may throw doubts on priority claim(s) or i is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cannot be considered to involve an li document is combined with one or m	claimed invention nventive step when the ore other such docu-					
P docum	means ent published prior to the international filing date but than the priority date claimed	in the art.	ments, such combination being obvious to a person skilled					
Date of the	actual completion of the international search	Date of mailing of the international se	arch report					
	12 May 2005	30/05/2005	30/05/2005					
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer						
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Marucci, A	Marucci, A					

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
X	LIN YI ET AL: "Characterization of Functionalized Single-Walled Carbon Nanotubes at Individual Nanotube-Thin Bundle Level" J PHYS CHEM B; JOURNAL OF PHYSICAL CHEMISTRY B SEP 25 2003, vol. 107, no. 38, 25 September 2003 (2003-09-25), pages 10453-10457, XP002327973 "Results and discussion"	1,2,4, 6-9					
A	SUN, YA-PING ET AL: "Functionalized carbon nanotubes: properties and applications" ACC. CHEM. RES., vol. 35, 23 November 2002 (2002-11-23), pages 1096-1104, XP002327964 "Defunctionalisation"	1-14					
A	FU, KEFU ET AL: "Defunctionalized carbon nanotubes" NANO LETTERS, vol. 1, no. 8, 17 July 2001 (2001-07-17), pages 439-441, XP002327965 the whole document	1-14					

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ational application No. PCT/US2004/035894

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Method to defunctionalize carbon nanotubes suspended in a solvent.

2. claims: 12-14

Method to defunctionalize carbon nanotubes dispersed in a composite material where the matrix is a polymer.

Intern i Application No

IN	INTERNATIONAL SEARCH REPORT			PORT	PCT/US2004/035894		
Patent document cited in search report		Publication date		Patent family member(s)	·	Publication date	
WO 02060812	A	08-08-2002	DE GB JP WO US US	1029594 238984 200453064 0206081 200507439 200507461	17 A 16 T 12 A2 90 A1	15-04-2004 24-12-2003 07-10-2004 08-08-2002 07-04-2005 07-04-2005	